Amendment

In the Claims

1-14. (Cancelled).

15. (Previously presented) A medical device, comprising,

a) a wound dressing comprising more than two layers of a fibrous material;

wherein the material contains nonmetalized fibers and fibers that are at least partially coated with a metallic material to yield metalized fibers, each layer being joined to an adjacent layer and having a ratio of metalized fibers to nonmetalized fibers; and

b) an appliance, wherein the wound dressing is incorporated into the appliance such that the layers of the wound dressing form a gradient of metalized fiber to nonmetalized fiber ratios, the highest ratio layer capable of being placed in contact with a wound site.

16. (Previously presented) The medical device of Claim 15, wherein the appliance is shaped for a use selected from the group consisting of orthopedic, dental, catheter, packing a body cavity, an ostomy site, a tracheostomy site, and around external fixture pin structures.

17. (Previously presented) The medical device of Claim 15 wherein the appliance has a tubular shape.

18. (Previously presented) The medical device of Claim 17 wherein the appliance is a wound drain.

19-22. (Cancelled).

23. (Previously presented) A medical device comprising:

conformable, conductive fabric comprising a biologically inert polymer uniformly coated with an antimicrobial metal, wherein said conformable, conductive fabric has a surface resistivity of less than about 1 Ohm/in^2 and interiorly shifts a pathology's maximum electrical resistance by an amount sufficient to induce an analgesic effect when in contact with a pathology.

24-25. (Cancelled).

26. (Previously presented) The medical device of claim 23, wherein said shift stimulates healing.

27. (Previously presented) The medical device of claim 23, further comprising a moisture retaining layer.

28. (Previously presented) The medical device of claim 23, wherein said polymer is coated using a solution electroless plating process.

29. (Previously presented) The medical device of claim 28, wherein said metal comprises silver.

30. (Cancelled)

31. (Previously presented) A medical device comprising:

at least one layer of conformable, conductive fabric material having a surface resistance less than about 1 ohms/cm^2, wherein said at least one layer of conformable, conductive fabric material comprises a biologically inert polymer and a conductor; and wherein said medical device induces an analgesic effect by interiorly shifting a pathology's maximum electrical resistance when applied to the pathology.

32. (Previously presented) A medical device comprising:

at least one layer of conductive material comprising at least two plies of a conductor, wherein the at least one layer of conductive material has a surface resistance less than about 1 ohms/cm^2, and wherein at least one of said at least two plies of a conductor comprises a biologically inert polymer, and wherein the device interiorly shifts a pathology's maximum electrical resistance when in conductive contact with the pathology by an amount effective to promote healing and induce an analgesic effect.

33. (Cancelled).

34. (Currently amended) The medical device ~~wound dressing~~ of claim 23, wherein the fibers are electrolessly plated with a metal or metal alloy.

35. (Currently amended) The medical device ~~wound dressing~~ of claim 34, wherein the metal of metal alloy comprises silver.

36. (Currently amended) A ~~The~~ wound dressing ~~of claim 31,~~ for treating a pathology in a portion of a living organism, comprising at least one layer of conformable, conductive fabric having a ~~wherein the~~ surface resistance of ~~the conformable, conductive fabric is~~ less than about 1 ohm/in^2, wherein the at least one layer of conformable, conductive fabric comprises a biologically inert polymer uniformly coated with a metal of a metal alloy; and wherein the wound dressing is configured to passively lower the pathology's electrical potential by an amount effective to promote wound healing.